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TI Coating material for lightweight aggregate and coated lightweight aggregate  
IN Kodama, Akihiko; Hojo, Yasuhide; Hasegawa, Kiyoshi  
PA Taiheiyo Cement Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
IC ICM C04B014-02  
ICS C04B028-02; C04B041-65; C04B018-14; C04B014-48; C04B016-06;  
C04B020-00; C04B014-06; C04B014-38; C04B103-30; C04B111-40  
CC 58-3 (Cement, Concrete, and Related Building Materials)  
FAN CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001220188	A2	20010814	JP 2000-23613	20000201
PRAI	JP 2000-23613			20000201	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2001220188	ICM	C04B014-02
	ICS	C04B028-02; C04B041-65; C04B018-14; C04B014-48; C04B016-06; C04B020-00; C04B014-06; C04B014-38; C04B103-30; C04B111-40

AB The coating material comprises cement, pozzolanic fine powder, aggregate with particle diameter  $\leq 2$  mm, water and water reducer. Thus, lightwt. aggregate with diameter 15 mm was coated with a mixture containing cement 100, silica fume 32.5, silica sand 120, superplasticizer 1.0 (as solid vs. cement), and water 22 parts and cured at 20° for 48 h and at 90° for 48 h to give coated aggregate having thickness of coating layer 3 mm, water absorption 1%, and crushing strength  $\geq 1000$  N.  
ST lightwt aggregate cement coating water absorption; pozzolan fine powder cement coating aggregate; water reducing agent cement coating aggregate; silica fume sand cement coating aggregate  
IT Polyamide fibers, uses  
RL: MOA (Modifier or additive use); USES (Uses)